Octavian Sulean

Personal statement

As a medical service engineer with experience in troubleshooting and maintaining medical equipment, I have developed a passion for problem-solving and attention to detail. Over time, I have come to realize that this passion extends beyond the field of medical equipment.

As a result, I have made the decision to transition into the field of software engineering, where I can apply my skills and knowledge to develop software solutions that solve complex problems. Through completing various online courses, I have gained a very good level of understanding Java programming language, and I have been actively applying this knowledge through exercises and projects.

I am eager to bring my experience and problem-solving abilities to the software engineering industry and I am committed to continued learning and growth in this field.

Key Skills

- Build basic android app
- Build core programming concepts
- Learn object-oriented concepts
- Create Java projects
- Good capacity of learning and understanding hardware systems and programming languages
- Availability of learning and continuous improvement
- Strong prioritizing and time management skills

Employment History

Student on different online learning platforms (codecademy, udemy,etc)

(November 2022 – Present)

Achievements:

- reinforced my knowledge on programming language concepts
- developed console applications and GUI applications in Java language
- completed over 15 projects in Java, using NetBeans, InteliJ and Eclipse as IDE
- troubleshoot coding errors;
- learned how to connect to a database (MySQL) and manipulate data;

Medical Field Laser Engineer, Topcon GB Limited, Newbury, UK

(February 2015 – June 2022)

Medical Field Service Engineer, Expertmed, Brasov, RO

(Mar 2013 – May 2014)

Education

Build Basic Android Apps with Java Skill Path (udemy.com)
(December 2022)

Summary:
Learned how to create a functional quiz-game application for Android Devices. The following were covered:

- Android and Java Foundations;
- Wireframing, Java variables and Android Studio;
- Programming Logic with Java;
- Java Arrays and Loops;
- Android App Development

Learning Java 11 (Linkedin.com)
(January 2023)

Summary:
Introduction course to Java language.

Learn Java by building 17 projects (udemy.com)
(December 2022)

Summary:
Learned how to install and use java JDK and NetBeans IDE. The following topics were covered:

- Declaring and initializing variables with a variety of data types;
- Exploring Basic Arithmetic operators;
- Troubleshoot Compile errors;
- Controlling flow with conditional code;
- Creating Method;
- Creating Event Handler methods;
- Using Component controls and changing their properties;
- Develop java console applications;
- Develop GUI applications in java;
- Develop applications in NetBeans IDE;
- Import and use java packages;
- Run and build java apps outside IDE;
- Create classes;
- Create user interface with swing components;
- Configure swing components;
- Troubleshoot coding errors;
- Generate event handlers;

The following projects were created:
- Calculator
- Digital Clock
- Weight Converter
- Temperature Converter
- Height Converter
- Random Number Generator
- BMI Calculator Tool
- Percentage Calculator

- Word Count Tool
- Add number program
- Program to determine Even numbers
- Program to determine Leap Year
- Program to calculate area and perimeter of a circle
- Program to find highest number
- Program to find Prime Numbers
- Program to create a triangle
- Program to determine largest numbers

Learn to code in Java (codecademy.com)
(November 2022)

Summary:
Learned java important coding fundamentals and practice on a project for each of the following lessons:

- Data types;
- Defining classes and creating instances;
- Conditionals and control flow in Java;
- Arrays and array lists;
- Loops;
- String methods;
- Access, encapsulation and static methods;
- Inheritance and polymorphism;
- Debugging;
- 2 dimensional arrays;

Bachelor's Degree in Electrical Engineering and Computer Science (comparable to British Bachelor (Honours) degree standard by UK NARIC)
(October 2008 – June 2012)

Faculty of Electrical Engineering and Computer Science, "Transilvania", University of Brasov

Principal subjects covered:

- Technical English;
- Java, PHP, HTML, CSS;
- C#,C and C++;
- Mathematical fundamentals of computers;
- Computer architecture;
- History of Technology;
- Interfaces and Peripherals of Computers;

Certificate of Professional Competences 3rd Level
(July 2008)

"Mircea Cristea", Technical High School, Brasov

Professional competence: Telecommunications Technician

High School Diploma (Baccalaureate)
(September 2004 – July 2008)

"Mircea Cristea", Technical High School, Brasov

Specialization: Telecommunications